



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Helfenstein, et al

Serial No.: 09/862,952

Filed: May 22, 2001

For: **Circuit and Method for an Improved Front End in Duplex Signal Communication Systems**

Confirmation No.: 9760

Group Art Unit: 2634

Examiner: Vartanian, Harry

Docket No. 60705-1610

**NOTICE REGARDING INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

On August 16, 2001, Applicants submitted an Information Disclosure Statement, a copy of which is attached hereto. Applicants have, however, not yet received an initialed copy from the Examiner. Applicants assume that this document has been properly considered by the Examiner and request that it be listed on the cover sheet of the patent, along with the other references of record.

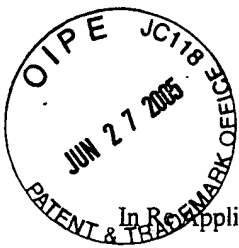
Respectfully Submitted,

**THOMAS, KAYDEN, HORSTEMEYER  
& RISLEY, L.L.P.**

By:

  
**Daniel R. McClure, Reg. No. 38,962**

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

In Re application of:

Helfenstein et al.

Group Art Unit: 2631

Serial No.: 09/862,952

Examiner: To Be Assigned

Filed: May 22, 2001

Docket No.: 060705-1610

For: Circuit and Method for an Improved Front End in Duplex Signal Communication System

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

This information disclosure statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, and specifically:

- ☒ under 37 CFR 1.97(b), or  
(within Three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:  
☐ Statement Under 37 C.F.R. 1.97(e), or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97(b) time period, but before the final office action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with a:  
☐ Statement under 37 CFR 1.97(e), and  
☐ a \$180.00 petition fee set forth in 37 CFR 1.17(p).  
(Filed after final office action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Enclosed is a check in the amount of \$ \_\_\_\_\_. Please charge \$ \_\_\_\_\_ to deposit account \_\_\_\_\_. At any time during the pendency of this application, please charge any fees required to Deposit Account 20-0778 pursuant to 37 CFR 1.25. The Commissioner is hereby requested to credit any overpayment to Deposit Account No. 20-0778.

- ☒ Applicant(s) submit herewith *Form PTO 1449 - Information Disclosure Citation* together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may or may not be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56. As required by 37 C.F.R. §1.98(a), a legible copy of each document is provided.
- ☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on the form PTO 1449 and is enclosed herewith.


The following rights are reserved by the Applicant(s): the right to establish the patentability of the claimed invention over any of the listed documents should they be applied as reference, and/or the right to prove that some of these documents may not be prior art, and/or the right to prove that some of these documents may not be enabling for the teachings they purport to offer.

This statement should not be construed as a representation that an exhaustive search has been made, or that information more material to the examination of the present application does not exist. The Examiner is specifically requested not to rely solely on the materials submitted herewith. The Examiner is requested to conduct an independent and thorough review of the documents, and to form independent opinions as to their significance.

It is requested that the information disclosed herein be made of record in this application and that the Examiner initial and return a copy of the enclosed PTO-1449 to indicate the documents have been considered.

Respectfully Submitted,

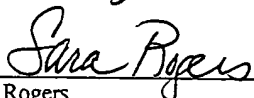
THOMAS, KAYDEN, HORSTEMEYER  
& RISLEY, L.L.P.

By:   
Robert A. Blaha; Reg. No. 43,502

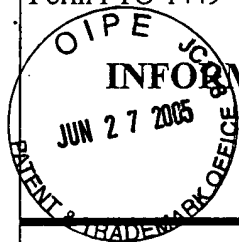
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**CERTIFIED MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as "First Class Mail," in an envelope addressed to: Assistant Commissioner of Patents and Trademarks, Washington, D.C.  
20231 on August 16, 2001

  
Sara Rogers

Form PTO-1449



## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Attorney Docket No.

060705-1610

Serial No.

09/862,952

Applicant

Helfenstein, et al.

Filing Date

May 22, 2001

Group

2631

## U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation
							Yes No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	A	An Integrated Adaptive Analog Balancing Hybrid For Use In (A) DSL Modems, Frédéric Pécourt, Jörg Hauptmann, Aner Tenen, 1999 IEEE International Solid-State Circuits Conference, ISSCC99/Session 14 Paper TP 14.8, February 16, 1999, pages 252-253, 466.
	B	
	C	

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

EXAMINER'S SIGNATURE:

DATE CONSIDERED: